

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/511,758
Source: PCT
Date Processed by STIC: 08/22/2005

ENTERED

BEST AVAILABLE COPY



PCT

RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/511,758

TIME: 16:48:31

Input Set : A:\12434194.app

Output Set: N:\CRF4\08222005\J511758.raw

```

3 <110> APPLICANT: BERGMANN, ANDREAS
4     FISCHER-SCHULZ, CHRISTINA
5     STRUCK, JOACHIM
7 <120> TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF INFLAMMATORY DISEASES AND
8     INFECTIONS BY DETERMINING THE LASP-1 IMMUNOREACTIVITY
10 <130> FILE REFERENCE: 121778-04341904
12 <140> CURRENT APPLICATION NUMBER: 10/511,758
13 <141> CURRENT FILING DATE: 2004-10-19
15 <150> PRIOR APPLICATION NUMBER: PCT/EP03/03940
16 <151> PRIOR FILING DATE: 2003-04-15
18 <150> PRIOR APPLICATION NUMBER: EP 02008840.7
19 <151> PRIOR FILING DATE: 2002-04-19
21 <160> NUMBER OF SEQ ID NOS: 17
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 261
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
30 <400> SEQUENCE: 1
31 Met Asn Pro Asn Cys Ala Arg Cys Gly Lys Ile Val Tyr Pro Thr Glu
32   1             5             10             15
34 Lys Val Asn Cys Leu Asp Lys Phe Trp His Lys Ala Cys Phe His Cys
35             20             25             30
37 Glu Thr Cys Lys Met Thr Leu Asn Met Lys Asn Tyr Lys Gly Tyr Glu
38             35             40             45
40 Lys Lys Pro Tyr Cys Asn Ala His Tyr Pro Lys Gln Ser Phe Thr Met
41             50             55             60
43 Val Ala Asp Thr Pro Glu Asn Leu Arg Leu Lys Gln Gln Ser Glu Leu
44             65             70             75             80
46 Gln Ser Gln Val Arg Tyr Lys Glu Glu Phe Glu Lys Asn Lys Gly Lys
47             85             90             95
49 Gly Phe Ser Val Val Ala Asp Thr Pro Glu Leu Gln Arg Ile Lys Lys
50             100            105            110
52 Thr Gln Asp Gln Ile Ser Asn Ile Lys Tyr His Glu Glu Phe Glu Lys
53             115            120            125
55 Ser Arg Met Gly Pro Ser Gly Gly Glu Gly Met Glu Pro Glu Arg Arg
56             130            135            140
58 Asp Ser Gln Asp Gly Ser Ser Tyr Arg Arg Pro Leu Glu Gln Gln Gln
59             145            150            155            160
61 Pro His His Ile Pro Thr Ser Ala Pro Val Tyr Gln Gln Pro Gln Gln
62             165            170            175
64 Gln Pro Val Ala Gln Ser Tyr Gly Gly Tyr Lys Glu Pro Ala Ala Pro
65             180            185            190

```

RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/511,758

TIME: 16:48:31

Input Set : A:\12434194.app

Output Set: N:\CRF4\08222005\J511758.raw

```

67 Val Ser Ile Gln Arg Ser Ala Pro Gly Gly Gly Lys Arg Tyr Arg
68      195      200      205
70 Ala Val Tyr Asp Tyr Ser Ala Ala Asp Glu Asp Glu Val Ser Phe Gln
71      210      215      220
73 Asp Gly Asp Thr Ile Val Asn Val Gln Gln Ile Asp Asp Gly Trp Met
74 225      230      235      240
76 Tyr Gly Thr Val Glu Arg Thr Gly Asp Thr Gly Met Leu Pro Ala Asn
77      245      250      255
79 Tyr Val Glu Ala Ile
80      260
83 <210> SEQ ID NO: 2
84 <211> LENGTH: 10
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 2
89 Gln Gln Ser Glu Leu Gln Ser Gln Val Arg
90  1      5      10
93 <210> SEQ ID NO: 3
94 <211> LENGTH: 9
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 3
99 Ala Cys Phe His Cys Glu Thr Cys Lys
100  1      5
103 <210> SEQ ID NO: 4
104 <211> LENGTH: 10
105 <212> TYPE: PRT
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 4
109 Lys Pro Tyr Cys Asn Ala His Tyr Pro Lys
110  1      5      10
113 <210> SEQ ID NO: 5
114 <211> LENGTH: 10
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 5
119 Val Asn Cys Leu Asp Lys Phe Trp His Lys
120  1      5      10
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 13
125 <212> TYPE: PRT
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 6
129 Gly Phe Ser Val Val Ala Asp Thr Pro Glu Leu Gln Arg
130  1      5      10
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 12
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/511,758

TIME: 16:48:31

Input Set : A:\12434194.app

Output Set: N:\CRF4\08222005\J511758.raw

```

138 <400> SEQUENCE: 7
139 Leu Lys Gln Gln Ser Glu Leu Gln Ser Gln Val Arg
140   1           5           10
143 <210> SEQ ID NO: 8
144 <211> LENGTH: 14
145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 8
149 Met Gly Pro Ser Gly Gly Glu Gly Met Glu Pro Glu Arg Arg
150   1           5           10
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 15
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 9
159 Thr Gly Asp Thr Gly Met Leu Pro Ala Asn Tyr Val Glu Ala Ile
160   1           5           10           15
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 15
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 10
169 Gly Lys Gly Phe Ser Val Val Ala Asp Thr Pro Glu Leu Gln Arg
170   1           5           10           15
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 14
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 11
179 Gln Ser Phe Thr Met Val Ala Asp Thr Pro Glu Asn Leu Arg
180   1           5           10
183 <210> SEQ ID NO: 12
185 <400> SEQUENCE: 12
W--> 186 000
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 18
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
196     peptide
198 <400> SEQUENCE: 13
199 Cys Lys Tyr His Glu Glu Phe Glu Lys Ser Arg Met Gly Pro Ser Gly
200   1           5           10           15
202 Gly Glu
206 <210> SEQ ID NO: 14
207 <211> LENGTH: 14
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/511,758

TIME: 16:48:31

Input Set : A:\12434194.app

Output Set: N:\CRF4\08222005\J511758.raw

```

211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
213     peptide
215 <400> SEQUENCE: 14
216 Cys Gln Asp Gly Ser Ser Tyr Arg Arg Pro Leu Glu Gln Gln
217   1           5           10
220 <210> SEQ ID NO: 15
221 <211> LENGTH: 54
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
227     peptide
229 <400> SEQUENCE: 15
230 Lys Tyr His Glu Glu Phe Glu Lys Ser Arg Met Gly Pro Ser Gly Gly
231   1           5           10           15
233 Glu Gly Gly Gly Gln Asp Gly Ser Ser Tyr Arg Arg Pro Leu Glu Gln
234           20           25           30
236 Gln Gly Gly Gly Val Tyr Gln Gln Pro Gln Gln Gln Pro Val Ala Gln
237           35           40           45
239 Ser Tyr Gly Gly Tyr Lys
240           50
243 <210> SEQ ID NO: 16
244 <211> LENGTH: 323
245 <212> TYPE: PRT
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 16
249 Met Asn Pro Asn Cys Ala Arg Cys Gly Lys Ile Val Tyr Pro Thr Glu
250   1           5           10           15
252 Lys Val Asn Cys Leu Asp Lys Phe Trp His Lys Ala Cys Phe His Cys
253           20           25           30
255 Glu Thr Cys Lys Met Thr Leu Asn Met Lys Asn Tyr Lys Gly Tyr Glu
256           35           40           45
258 Lys Lys Pro Tyr Cys Asn Ala His Tyr Pro Lys Gln Ser Phe Thr Met
259           50           55           60
261 Val Ala Asp Thr Pro Glu Asn Leu Arg Leu Lys Gln Gln Ser Glu Leu
262           65           70           75           80
264 Gln Ser Gln Val Arg Tyr Lys Glu Glu Phe Glu Lys Asn Lys Gly Lys
265           85           90           95
267 Gly Phe Ser Val Val Ala Asp Thr Pro Glu Leu Gln Arg Ile Lys Lys
268           100          105          110
270 Thr Gln Asp Gln Ile Ser Asn Ile Lys Tyr His Glu Glu Phe Glu Lys
271           115          120          125
273 Ser Arg Met Gly Pro Ser Gly Gly Glu Gly Met Glu Pro Glu Arg Arg
274           130          135          140
276 Asp Ser Gln Asp Gly Ser Ser Tyr Arg Arg Pro Leu Glu Gln Gln Gln
277           145          150          155          160
279 Pro His His Ile Pro Thr Ser Ala Pro Val Tyr Gln Gln Pro Gln Gln
280           165          170          175

```

RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/511,758

TIME: 16:48:31

Input Set : A:\12434194.app

Output Set: N:\CRF4\08222005\J511758.raw

```

282 Gln Pro Val Ala Gln Ser Tyr Gly Gly Tyr Lys Glu Pro Ala Ala Pro
283          180          185          190
285 Val Ser Ile Gln Arg Ser Ala Pro Ile Cys Leu Gln His Ile Pro Arg
286          195          200          205
288 His Arg Ile Arg Pro Gly Arg Asp Pro Ser Ile Leu Gln Cys Leu Cys
289          210          215          220
291 Phe Leu Lys Pro Ala Thr Ala Cys Asp Ser Tyr Pro Ser Ser Ser Phe
292 225          230          235          240
294 Phe Cys Gln Leu Lys Pro Ser Ser Ala Thr Ser Ala Gly Ser Leu Leu
295          245          250          255
297 Trp Gln Ala Ser Pro Leu Ile Asp Phe Leu Val Phe Ser Leu Asp Gly
298          260          265          270
300 Thr Gly Met Gly Leu Ser Gly Gly Gly Arg Gly Pro Trp Gly Arg Ala
301          275          280          285
303 Gly Met Gly Asp Leu Leu Ala Cys Gly Pro His Leu Pro Leu Cys Ser
304          290          295          300
306 Leu Pro Ser His Pro Pro Ala Gln Leu Leu Thr Tyr Pro His Ile Pro
307 305          310          315          320
309 Gly Leu Gly
313 <210> SEQ ID NO: 17
314 <211> LENGTH: 19
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
320 peptide
322 <400> SEQUENCE: 17
323 Cys Val Tyr Gln Gln Pro Gln Gln Gln Pro Val Ala Gln Ser Tyr Gly
324 1          5          10          15
326 Gly Tyr Lys

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/511,758

DATE: 08/22/2005

TIME: 16:48:32

Input Set : A:\12434194.app

Output Set: N:\CRF4\08222005\J511758.raw

L:186 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (12) SEQUENCE: